



# THE BLURB

AREA MEMBER

PHILMONT MOBILE RADIO CLUB INC.

August  
1963

PHILMONT

SCORES

114,717.5

POINTS

POINT  
RIOT

BEST YET!

PHILMONT  
SHOWS  
HOW

J.F.K.  
APPLAUDS!

SULLIVAN  
TIDES IT

TOPS  
RECORD!

BLASTS  
TO WAY  
TOP

KRUSH  
PROTESTS!

WINNIE  
CABLES  
CONGRATS!

LEADS

ALL OTHERS!

COLLOSSAL!

ARUNAWAY

MAO CHARGES  
FRAUD!



Published Monthly by the  
Phil-Mont Mobile Radio Club

VOLUME 13

EDITOR

R. G. Schmilewski, K3KUD  
528 Melody Lane  
Glenside, PA.

STAFF

Publisher	W3LEM
Art Work	3QO167; W3YHV
Contributing Editors	W3ZPP; K3GNJ W3UMK
Technical Editor	K3GNM

CIRCULATION AND PRINTING

Printer	W3PST
Boss Stitcher	W3VVS
Collator	W3QOH

The "Blurb" is published by and for the members of Phil-Mont to further the interest of Amateur Radio in general and mobile Radio in particular. We endeavor to keep the news accurate, interesting and in a small way educational. Copying and quoting is permitted, provided creditlines are included. Commercial use is not permitted and subscriptions are gladly exchanged with other radio clubs.

DEADLINES

The "Blurb" is mailed on the last Monday of the month. All material for the "Blurb" must be received by the Editor, K3KUD, before the 15th of the month.

1963 CLUB OFFICERS

Pres.	Chas. Greenwood	W3GOW
V. Pres.	Enos Bartol	K3GNJ
Treas.	George Weed	W3MHR
Sect'y	Jos. Elmaleh	K3HLJ
Bd. of Directors:	W3's, NIP, QOH, AWH, AK, DSG, WNC, K3DJF and all 1963 Club Officers	

New Members Chairman: W3DSG

NET AND NET FREQUENCIES

Ch 1 - 29493 KCs.	Ch 3 - 147.78 Mcs
Ch 2 - 29629 KCs.	Ch 4 - 50.7 Mcs
Orange Juice Net ) weekdays	0700 - 0730
Scrambled Egg Net)	0730 - 0830
Ten on Ten Sundays	1000 - 1100
Blarney sessions anytime	All Channels
29493 KCs	0930 - 2400
Monitored daily for the benefit of mobiles in the Philadelphia area.	

Charter Member: AREA

NUMBER 8

PMRC CALENDAR

MEETINGS

Regular Meetings: First Monday  
of each month.

Time: 2000 hours (8:00 p.m.)

Place: FRANKLIN INSTITUTE  
20 & Benjamin Franklin Pkwy

MID-MONTH SCHEDULE

Jan.	July
Feb.	Aug. 14 - W3DJW
Mar.	Sept. 18 - W3HFD
Apr.	Oct. 16 - W3AWH
May	Nov. 13 - W3AK
June	Dec. 18 - W3MHR

SAM'S CORNER

FOXTROT CHARLIE CHARLIE  
SAY'S:



THERE NEVER WAS ANY  
OFFICIAL ACTION TO BE  
TAKEN IN THE CB SITUATION  
AND WILL NOT BE FOR AT  
LEAST ONE YEAR

### THE PREZ SEZ

The day of reckoning has come (as it must for all Ham shacks) for mine. I have been caught between a determined paperhanger and an equally determined XYL who both claim that something must be done!

The XYL has been unkind enough to say that "that room" looks like an indoor compost pile. I didn't catch what the paperhanger said. The ultimatum is that I have to get rid of, or find storage space for, 30,253 magazines, catalogs, etc., dating back many years. I am now looking for a good home for room-littering magazines, pamphlets, etc., etc., or for a dispossessed Ham.

Field Day has again come and gone for another year. Our thanks to W3YHV and his committee for the tremendous amount of work they did to make Phil-Mont Field Day a success. Of course, we have to wait to December to learn our official standing, but win or lose we can take pride in the fine showing we know we have made.

de W3GOW

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### IT SEEMS TO ME

The Field Day pictures in this issue of the Blurb are the work of Russ Hamilton, W3UVL, and of course they speak for themselves. Unfortunately, the plans that Russ had, to have these pictures and more, published in one of the daily newspapers or a national news-picture magazine, were not realized. The reason given by the editorial staffs involved was that the Field Day set-up looked too perfect and didn't feature enough "chewing gum and baling wire."

It may be that the time has come to let people know that the day of loose wires, coils and sparks is past and that the modern radio amateur has a considerable investment of both time and money in his station. The word "amateur" should not connote "slob" or "electronics idiot," but rather a trained operator with first class equipment, used for fun, but always available for community service first.

Education of the public through our service, actions and good publicity would seem to be very much in order, and right now is the time to start. Other services with minimum equipment investment, little technical knowledge but terrific publicity outlets have taken over, in the public mind, the place which rightly belongs to the Ham.

de K3KUD

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## CLUB NEWS AND ACTIVITIES

The program for the August meeting will be on a most timely subject, "The Laser." The speaker will be Mr. Lewis Morris of RCA. The meeting room is air conditioned, the refreshments will be appropriate, so come one, come all.

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We are not planning to issue a new directory for a while, but in order to keep the present one as nearly correct as possible, the Editor would appreciate knowing of all changes of address, telephone number or other information that is pertinent.

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The July meeting, which featured a heated (?) debate between W3NIP and W3CDY on the pros and cons of incentive licensing was fairly well attended in view of the temperatures we had during the first week in July. Enie Bartol, K3GNJ, was awarded a Phil-Mont Certificate for his work as club secretary during 1962. The meeting was attended by fifteen visitors in addition to about twenty-five members.

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A1, W30WK, points out that now that summer is here we find out who has good modulation and also who has a receiver that can discriminate between noise and modulation. When a mobile station announces its presence on the channel and then must tell a calling station that "I hear you in there, but the noise level is too high to read," it would appear that either the S/N ratio needs some work or the audio is down. Maybe we should all take a critical look at our gear, and make sure that we are doing the best we can.

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Low frequency men take heed! A revised table of sharing arrangements has been issued for the 160 meter band. Required to accommodate a new chain of Loran stations, the changes were effective June 30, 1963. In Pennsylvania the following applies: 1800-1825 KC, day operation 200 watts, night 50 watts; 1875-1900 KC, daytime 100 watts, night 25 watts; 1900-1925 and 1975-2000 KC, no operation permitted. Power noted above refers to maximum plate input power. Complete data on the revised operating privileges will be found on page 60 of QST for July, 1963.

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The Government Printing Office offers two publications of interest to mobile hams under the titles Installation and Maintenance Handbook for Interference Shielding of Internal Combustion Engines, Catalog D 209.14:Sh 6/2, price \$2.25. This book contains 47 pages and is illustrated. Interference Shielding Catalog for Internal Combustion Engines provides a complete Bill of Material for various methods of shielding. Containing 199 pages, this book costs \$2.75. Catalog D 209.14:Sh 6.

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If you get out Wisconsin way and are looking for mobile contacts, try 29.620. This frequency is monitored in the Eau Clair, Madison area much the same as Channel 1 is in the Phil-Mont area.

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## TID-BITS

The Editor has received a letter from Colonel A. R. Marcy, W4ID, asking for information about the Blurb, past and present. Colonel Marcy is researching material for an article dealing with ham publications. One of the things he would like to have is a copy or, if possible, several copies of old Blurbs. If any of the members have one or more old copies of our publication, preferably from the years around 1956-57-58, please send or give them to the Editor who will in turn forward them to W4ID. Any copies thus donated will not be returned.

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This month the Blurb moved forward another step. This issue was typed by Madeleine, K3AUW, who will be handling this work for us from now on. In addition, all the printed material was reproduced on the club's newly acquired duplicating machine. These changes should permit us a slightly later deadline and help us keep the news a bit more timely. Our thanks to W3PST for his considerable assistance in the past months, and to W3HYV who, by perseverance, needling, phone calls and other devious means, finally set the stage for our purchase of the Multolith.

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Ralph Garrick, W3FLP, has been appointed EC for Delaware County. Ralph would like to have as many hams as possible join in this effort. A card or a call to him will bring you all the information and necessary forms.

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Have you (1) had a vision that came true? (2) read another person's thoughts? (3) lived in a haunted house? (4) seen a ghost? or (5) witnessed any form of supernatural phenomenon? If you have had any form of experience with the supernatural, drop a line to the following address:

"The Haunting," MGM, 1540 Broadway, New York.

We don't know exactly what the above is all about, but if a new TV show based on the supernatural just happens to appear on the scene, remember, you saw it first in the Blurb!

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### HURRY! HURRY! HURRY!

The U. S. Post Office Department has inaugurated a new mailing address identification system. Called the Zone Improvement Program, short title ZIP, it is intended primarily for bulk mailers, and will aid in the sorting and routing of mail. The Blurb is a bulk mailer and therefore we will need your ZIP number as soon as you receive it. Please cooperate with us; it will help insure speedier delivery of the Blurb. Drop a postcard to the Editor and include your name, call, address and ZIP number.

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After many delays, postponements and extensions, there is no RACES in Pennsylvania as of June 30, 1963. Originally set to expire on December 31, 1962, and subsequently extended to March 31, 1963, most radio officers assumed that RACES was dead; however, the "powers that be" again asked for and received a three-month extension. This information dribbled down to the county level about June 1, thus permitting about one month of operation. It appeared at that time that the new RACES plan was approved and on its way to the printer, but as of July 1, nothing has been heard and therefore the program is apparently defunct. All this to approve a plan which was ready for approval by the various levels in the latter part of 1961.

de W3PST

## CHANNEL CHATTER

After a three-week wait, the olde editor, K3KUD, finally received the xtals for his Messenger, one day after W3QQH, K3GNJ and K3CEE had made arrangements with W3WUX for the loan of a set! 'Twas ever thus.—W3DJW fixed being heard again on Channel 1.—If you listen real closely you can also hear W3PST/m and that is something new, but welcome.—Ernie, W3DSG, still fooling around with those extra mobile rigs.—Paul, W3VVS, had his own geyser on Field Day when "Old Faithful" blew its top. The pay-off came, however, when Paul and his boys got the campfire going and prepared to have dinner, only to find that the boys had forgotten to bring the bacon and hamburger; no wonder we had a low score from W3VVS/m.—Frenchy, W3IRS, and George, K3EZJ, both received Department of Defense Certificates for perfect copy of the Armed Forces Day CW message at 25 WPM. Joe, K3HIJ, received a similar certificate for RTTY at 60 WPM.—A1, W3VSD, ran the first ten minutes of the Philadelphia County AREC 10 meter net on July 11. This net meets every Thursday at 2030 on 29.360 mc.—Dick, W3UMK, is in the area again being heard mobile.—Lots of activity on Channel 1 as a result of some of the 29.520 gang "visiting" as it were.—We sometimes marvel at the good grace with which Ed, W3LEM, and his XYL, Edna, endure the mob that descends upon them at Blurb-folding time. We really do appreciate the hospitality, folks.—Madeleine, K3AUW, is now mobile with a brand new car, and she's rarin' to get a rig in it.—While checking his Field Day log, K3GNJ, noticed that K3DJE, was his 13th contact at 2213.—Gill, W3SRU, is back on Channel 1 with a new mobile. It sounds as good here as it did down in Florida where Gill and company were vacationing.—An able assist was given to W3GIF/2 and YL in finding the moon by Brad, W3QV, and Sam, K3GBA. (Wonder why?)—Were there really dollar signs on Penn Valley's recently uncovered still?—W3KDO, Harry, needs plenty of reading material while traversing homeward through Conshohocken.—Sam, K3GBA, mixed fishing and DXing on his Long Beach Island vacation. (He can tell some whoppers about both.) Sam now knows, courtesy of W3QV, that he could have eaten the ballon fish he threw back.—A busy Phil-Monter, Bill, K3HIE, is presently working on a new mobile receiver.—The Summer Orange Juice Net is still going strong with K3AWC and W3CHZ officiating as the regular fixed stations.—Some of the stations heard checking in regularly are W3ZEH, W3WNC, W3AJ0, W3ZZI, W3MHR, W3YGX, W3HQJ, W3HFY, K3HIE, K3GBA, W3GIF, and W3SRU.—John, W3RVM, still gets few replies morning and evening.—W3EQV and sons are loud and clear from the new apartment in Upper Darby with only a walky-talky.—Jon, K3HWX, is mobile again after getting a new rear (axle).—A1, W3VSD, ran out of gas on the expressway and sat for three hours waiting for Keystone to rescue him.—W3QQH is nursing a sore jaw after tangling with K3GNJ (in NIP's pool).—That's it for now, and thanks to those who sent us the above items.

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1. W3HFY	4563.0	20. W3GOW	2493.0	39. W3OEC	1890.0
2. W3DSG	4185.0	21. W3HQJ	2484.0	40. K3TXE	1336.5
3. K3HWX	3888.0	22. W3DJW	2470.5	41. W3QZ0	1066.5
4. W3RQZ	3577.5	23. K3EID	2457.0	42. K3WQT	918.0
5. W3IW0	3402.0	24. W3CDY	2403.0	43. W3ADV	850.5
6. K3GNM	3240.0	25. K3H1J	2401.0	44. W3UMK	769.5
7. K3GNJ	2956.5	26. W3FWI	2308.5	45. K3UW0	675.0
8. W3YHV	2943.0	27. W3ZPP	2038.5	46. W3BBB	648.0
9. W3MHR	2943.0	28. W3ZEH	2295.0	47. K3EZJ	585.0
10. K3CEE	2929.5	29. W3VVS	2254.5	48. W3CW	580.5
11. W3WPD	2808.0	30. W3QQH	2227.5	49. W3ZE	567.0
12. W3GIF	2794.5	31. W3LEM	2224.0	50. K3BYN	553.5
13. W3PWG	2767.5	32. W3AWH	2214.0	51. Y3KV	486.0
14. W3LNQ	2673.0	33. W3TXQ	2214.0	52. Y3FXW	416.5
15. W3NIP	2646.0	34. W3VSD	2214.0	53. W3SA4	422.0
16. K3DJE	2632.5	35. K3H1E	2187.0	54. W3UZF	391.5
17. W3AJ0	2605.5	36. W3YJM	2160.0	55. W3RVN	351.0
18. W3VCE	2565.0	37. W3PST	2025.0	56. K3XNE	324.0
19. W3EQV	2565.0	38. W3ZZI	1971.0	57. W3IRS	148.5

SWAP AND SHOP

Sale: Hammarlund HC-10, SSB converter \$ 95.00  
B & W Model 381 TR switch \$ 35.00

Both of the above are like new and the instruction  
manuals are available.

Kermit Crowell, W3AJ0

Sale: Heathkit Apache, modified for push to talk \$200.00  
Heathkit Mohawk \$225.00  
Heathkit SB-10 \$ 60.00

All three units may be bought as a package for \$475.00

Frank Travers, W3LNQ

Sale: 100 foot or longer lengths of 1 KW size Amphenol  
coaxial cable. Low noise type, 72 ohm. .07/ft

Alan Kehr, W3UZF  
TU6-6919

Sale: Eico 720 transmitter and 730 50-watt modulator.

Heath VF-1 VFO

Ed, W3EQV  
SU9-7556

Sale: Polycom 62-B; complete transceiver for 2 and 6 meters  
(mobile or fixed). Excellent condition. This unit  
is less than eight months old. Make Offer  
Jack Mahoney, W3DJW

Sale: 5 element Hy-Gain 6 meter beam and Alliance TV rotor. \$ 20.00  
28 feet of RG-8U included.

75-watt 6 meter xmtr. Plate modulated. 2 xtals, \$ 50.00  
200-watt variable power supply mounted in a 37" desk-  
type relay rack. Built-in antenna relay.

Both of the above as a package for \$ 55.00

Dave, K3HLN  
BR5-8522

Sale: 30 foot self-supporting tower. All steel, welded con-  
struction and hot-dipped galvanized. Can be easily  
climbed or made to tilt over from base. Includes rotor  
support at midpoint of tower, rotatable 2-inch pipe  
mast extending 5 feet above tower and additional mast  
for supporting Kreco coax antenna. Tower (less base)  
\$70.00 or with Kreco 10 meter coax \$ 80.00

Bob, W3 QZO  
CH7-2427

Sale: 70 foot tower w/stainless steel fittings. \$ 50.00

Bob, W3WUX

SWAP AND SHOP (continued)

Sale: Receiver, HQ129X with Heath QF-1 Q-Multiplier.  
Good condition.

Joe Brackin, K3OMB  
EL6-0622

Best Offer

Sale: New TB-600 Hornet Beam, 3 element. 10-15-20 meters.  
Regular price \$59.95. Buy it in the carton for

\$ 45.00

Lloyd, W3CDY  
EL6-4787

Sale: Mosley 3 element, 20 meter beam. Spaced .15 wave-length. Driven element transformer coupled to 52 ohms. Ref. 33', new boom, 3-1/2" Alum .165" wall with plates Heliarc welded to boom.  
Good condition.

Tower, 65 foot "Wind Charger," Sioux City. 3-20 foot section, 1-5 foot top section. Rebuilt with stainless steel hardware and guys. May need painting.  
W/saddle and ginpole for erecting.

Dick Urian, W3CR0

Wanted: 6 meter converter (50-52 mc coverage satisfactory).  
Suitable to work into SX101.

Jim, K3PHC

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NOTICE

NOTICE

NOTICE

NOTICE

NOTICE

A new entrance to the Franklin Institute parking lot has been made about halfway up the driveway. The old entrance adjacent to the Institute building may be sealed-off by meeting time. Please note this change and help to avoid congestion which could be caused by driving into the resulting dead-end.

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PICNIC TIME

A club picnic will be held at the Six Penny Picnic Area of French Creek State Park on August 11 (rain date August 18). Free swimming, bath house, plenty of tables and fireplaces are available. Bring your own food. More information from K3GNJ as required.

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Wayne Ziegler, WN2GBJ, has been appointed Club Historian. Anyone having historical data relating to Phil-Mont is requested to make it available to Wayne.

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## SPACE NOTES

Disruption of radio communication on earth by sporadic "E" disturbances has been linked to wind shear action which occurs at an altitude of about 60 miles.

High velocity winds blowing in opposite directions above and below atmospheric levels of zero wind velocity and acting with the earth's magnetic field, pull electrons into layers about one-third mile thick. These layers reflect radio waves which would normally go much higher. Electron measurements showed that the thin layers were associated with east-west shear. This data was obtained by Nike-Cajun electron sounding rockets.

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Soviet radar probes to Mars have discovered flat surfaces many miles in area. Probes transmitting on a frequency of 700 mc took eleven minutes to travel to Mars and return.

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### Satellite Summary:

		<u>Launched</u>	<u>Still in Orbit</u>
1958	United States	5	2
	Russia	1	0
1959	United States	11	4
	Russia	3	1
1960	United States	17	10
	Russia	3	0
1961	United States	35	12
	Russia	5	1
1962	United States	54	27
	Russia	19	4
1963	United States	10	8
	Russia	8	5

In addition to the satellites listed above as still in orbit there are 195 non-satellite objects (space junk) also still in orbit at this time.

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## NEW PUBLICATIONS

Sams has just released two new publications which will be of interest to hams. Amateur Radio Construction Projects by Charles Caringella, W6NJV, is written so that both the beginner and the experienced builder will find it interesting. The book starts out with helpful hints on general construction and then goes into both simple and more difficult construction projects. Included are such items as Novice transmitters, Baluns, 10-15-20-meter mobile converter, 2- and 6-meter converters, VHF walkie-talkies, all-band phone/CW transmitter, and 2-meter phone transmitter. A very excellent book, well written and easily understood. Cost of this book is \$2.50 list and it is available at all electronics dealers. The book contains 136 pages. Catalog number is ARP-1.

Another new publication of interest is the book ABC'S of Electronic Test Equipment. This book, written by Don Smith, covers meter movements, basic circuitry including shunts and multipliers, and the principles of extending meter ranges. Detailed explanations of various types of tests and test equipment are included, and test equipment covered includes the VOM, VTVM, Battery, Diode and Transistor testers, Tube tester, Oscilloscope, Signal generator and others. Available at all electronics distributors, this 96 page book lists at \$1.95.

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NEW MEMBER APPLICATIONS

K3AUW

Madeleine Pearson  
3418 Powelton Avenue  
Philadelphia 4, Pa.  
H. EV6-0306  
Employed by: General Electric  
Sponsored by: W3DJV, W3AWH

Madeleine

W3IVS

Arthur M. Harter  
411 Yale Avenue  
Morton, Pa.  
H. K13-1519  
Employed by: U.S. Post Office Dept.  
Sponsored by: W3UQV, K3HWX

Link-Elaine

W3ZZI

James B. Patteson  
110 Webster Avenue  
Wyncote, Pa.  
H. TU6-6981 B. 758-2756  
Employed by: Philco Corp.  
Sponsored by: W3KDO, W3WNC

Jim-Dorothy

The above new member applications are listed as they should be entered in the Club Directory if the applicants are accepted by the membership.

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Please note the following change of address:

W3EQV

Ed Moore  
8125 West Chester Pike  
Apartment C-7  
Upper Darby, Pa.

XXXXXXXXXXXXXXXXXXXX

# TECHNIGRAM

## Important Data for Radio Amateurs

### INTERNATIONAL CODE

A	• —	N	— •
B	— • •	O	— — —
C	— • —	P	— — — —
D	— — •	Q	— — — — —
E	•	R	— — — — — —
F	— • — —	S	— — — — — — —
G	— — — —	T	— — — — — — — —
H	— — — — —	U	— — — — — — — — —
I	— — — — — —	V	— — — — — — — — — —
J	— — — — — — —	W	— — — — — — — — — — —
K	— — — — — — — —	X	— — — — — — — — — — — —
L	— — — — — — — — —	Y	— — — — — — — — — — — — —
M	— — — — — — — — — —	Z	— — — — — — — — — — — — — —

Figures	Punctuation
1	(—) • — — —
2	(—) • — — — —
3	(—) • — — — — —
4	(—) • — — — — — —
5	(—) • — — — — — — —
6	(—) • — — — — — — — —
7	(—) • — — — — — — — — —
8	(—) • — — — — — — — — — —
9	(—) • — — — — — — — — — — —
0	(—) • — — — — — — — — — — — —

### SPECIAL SIGNALS

(Continental Code)

Wait	• — • •
End message	• — — —
End transm'n	• — — — —
Thank you	— • —
Error	• • • • •
OK (Received)	— • —
Double Dash	— — — —
Invitation to transmit	— — —

### R - S - T REPORTS

#### READABILITY

1. Unreadable
2. Barely readable; occasional words distinguishable
3. Readable with considerable difficulty
4. Readable with practically no difficulty
5. Perfectly readable

#### SIGNAL STRENGTH

1. Faint; signals barely perceptible
2. Very weak signals
3. Weak signals
4. Fair signals
5. Fairly good signals
6. Good signals
7. Moderately strong signals
8. Strong signals
9. Extremely strong signals

### PHONETIC CODE

Used to clarify initials and letters in radiotelephone transmission. The following phonetic list is recommended by the A. R. R. L.:

A as in ADAM	J as in JOHN	S as in SUSAN
B as in BAKER	K as in KING	T as in THOMAS
C as in CHARLIE	L as in LEWIS	U as in UNION
D as in DAVID	M as in MARY	V as in VICTOR
E as in EDWARD	N as in NANCY	W as in WILLIAM
F as in FRANK	O as in OTTO	X as in X-RAY
G as in GEORGE	P as in PETER	Y as in YOUNG
H as in HENRY	Q as in QUEEN	Z as in ZEBRA
I as in IDA	R as in ROBERT	

### "Q" SIGNALS

"Q" signals are widely used in Amateur radio-telegraph communications. They express meanings very clearly, cut down transmission time, and serve as an "international language" to permit communication between Amateurs of different countries. When a "Q" signal is followed by a question mark, it takes the form of a question. When not followed by a question mark, it takes the form of a reply to a "Q" signal question, or a direct statement. Commonly used "Q" signals are listed below. Meanings are in parentheses.

#### "Q" Signal Question

- QRG? (What is my frequency?)
- QRK? (How are you receiving me?)
- QRM? (Is my signal being interfered with?)
- QRN? (Are you troubled by static?)
- QRQ? (Shall I send faster?)
- QRSt? (Shall I send slower?)
- QRT? Not often used as a question.
- QRU? (Do you have anything further?)
- QRV? (Are you ready?)
- QRX? Not often used as a question.
- QRZ? (Who is calling me?)
- QSB? (Is my signal fading?)
- QSL? (Will you send me a card to verify our communications?)
- QSP Chicago? (Can you relay a message to Chicago?)
- QSY? (Shall I change frequency?)
- QSZ? (Shall I send each word twice?)
- QTC? (Do you have any messages for me?)
- QTH? (What is your location?)
- QTR? (What is the time?)

\*See R-S-T report system on this sheet.

†If the station has no messages, he should reply with QRU.

#### Reply to a "Q" Signal Question, or a Direct Statement

- QRG 7125 kc. (Your frequency is 7125 kc.)
- You're RST.
- QRM (You're being interfered with.)
- QRN (I'm troubled by static.)
- QRQ (Send faster.)
- QR8 (Send slower.)
- Must QRT now. (Must close down my station now.)
- QRU (I have nothing further.)
- QRV (I'm ready, start sending.)
- QRX (Wait.)
- Station repeats his call.
- QSB (Your signal is fading.)
- WII QSL. (I'll send you a card.)
- QSP (I can relay your message.)
- QSY (Change frequency.)
- QSZ (Send each word twice.)
- QTH is Chicago
- QTR 10:30 P. M.

### TONE

1. Extremely rough, hissing note
  2. Very rough a. c. note; no trace of musicality
  3. Rough, low-pitched a. c. note; slightly musical
  4. Rather rough a. c. note; moderately musical
  5. Musically modulated note
  6. Modulated note; slight trace of whistling
  7. Near d. c. note; smooth ripple
  8. Good d. c. note; just a trace of ripple
  9. Purest d. c. note
- (If note appears to be crystal controlled, add letter X after the number indicating Tone.)

Example: Your signals RST 599X. (Your signals are perfectly readable, extremely strong, have purest d. c. note, and sound as if your transmitter is crystal-controlled.)

# PHILMONT Mobile RADIO CLUB